

June 30, 1997

MEMORANDUM FOR: All LTWG Points-of-Contact

FROM: Jim Ellickson
NOAA Landsat System Operations Manager

SUBJECT: Landsat 7 / International Ground Station
Documentation Tree

Attached to this Technical Information Note is a "Documentation Tree" showing the structure of documents associated with the Landsat system / International Ground Station interfaces. For completeness, the tree flows down from the NOAA International Ground Station Memorandum of Understanding. However, the Landsat 7 International Ground Station Interface Control Document should be considered the top level technical information source.

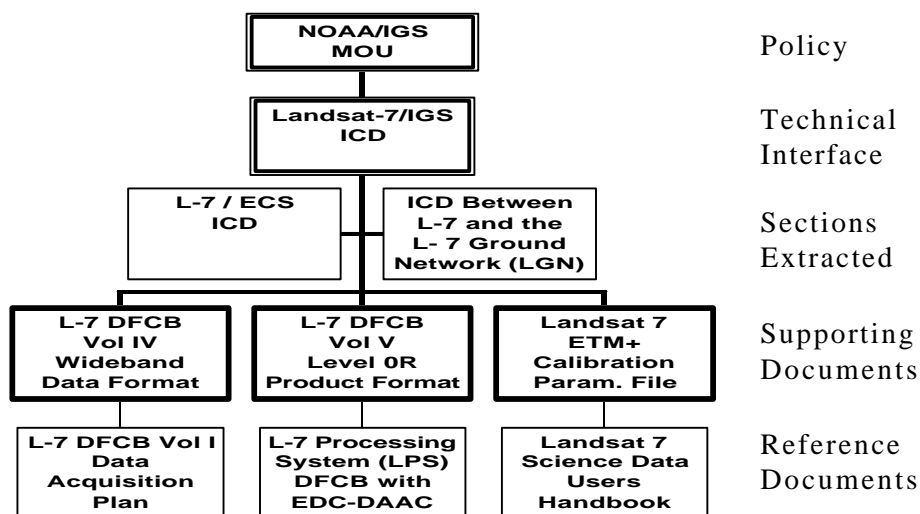
Also attached is a listing of these documents, showing their latest data of issue and an Internet address that provides electronic versions. Most of these documents are provided in "PDF" format. This will require the use of an ACROBAT Reader software. This software is available free from the Internet address given at the bottom of the list.

We will continue to provide all LTWG Points-of-Contact with the latest versions of these documents. If you have any questions or comments, please contact me through e-mail (jellickson@nesdis.noaa.gov), fax (301-420-0932) or at our NOAA office, Room 3301, Federal Building #4, Suitland, Maryland 20233.

APPROVED FOR RELEASE:

Michael Mignogno
Landsat 7 Mission Manager

Landsat 7 / International Ground Station Documentation Tree



Landsat 7 / International Ground Station Documentation List

Title: Memorandum of Understanding (MOU) between the National Oceanic and Atmospheric Administration (NOAA) of the United States Department of Commerce and the [International Ground Station (IGS)]

Version: Draft

Date: May 1997

URL: Not Available

Contents: Working document describing terms and conditions under which NOAA will provide and an IGS will receive, process, archive, and distribute data from the Landsat 7 system.

Comments: Distributed at the 26th Landsat Ground Station Operations Working Group, May 6-8, 1997.

Title: Landsat 7 to International Ground Station (IGS) Interface Control Document,

Version: Baseline

Date: January 31, 1997

URL: http://ltpwww.gsfc.nasa.gov/IAS/htmls/l7_review.html

Contents: Establishes the hardware, software, data transfer, and operations interface requirements between the International Ground Stations and the Landsat 7 system

Comments: Mailed to all LTWG points-of-contact in March, 1997.

Title: Data Format Control Book (DFCB), Volume IV - Wideband Data for the Landsat 7 System
Version: Revision F
Date: May 29, 1997
URL: <http://caster.gsfc.nasa.gov/L7/> under "Baselined Documents"
Content: Defines the formats used for the transmission of Landsat 7 wideband data to the U.S. Landsat Ground Stations and to the International Ground Stations
Comments: Consists of all Enhanced Thematic Mapper Plus (ETM+) instrument data with embedded Payload Correction Data (PCD). Wideband data is transmitted to ground stations via one of three X-band frequencies at a rate of 150 Mbps.

Title: Landsat 7 Processing System (LPS) Output Files Data Format Control Book, 510-3FCD/0195
Version: Baseline
Date: Nov 14, 1996
URL: <http://lps-server.gsfc.nasa.gov/> in the "LPS Baseline Folder" under "LPS Output Data Formats"; includes LPS DFCB Configuration Change Requests 970150 and 970162
Contents: Establishes the format and contents of all data provided by the Landsat Processing System to the EDC-DAAC
Comments: CCRs under consideration

Title: Landsat 7 System Zero-R Distribution Product Data Format Control Book, Volume 5, Book 1, 430-11-06-007-0
Version: Baseline
Date: May 23, 1997
URL: <http://caster.gsfc.nasa.gov/L7/> under "Baselined Documents"
Contents: Provides users of the Landsat 7 ETM+ Level 0R data products with a high level description of the distribution format, and includes the Hierarchical Data Format (HDF) structuring mechanisms employed, and a detailed layout of the image and ancillary data formats.
Comments: None

Title: Landsat 7 Calibration Parameter File Definition Document, 430-15-01-002-0.
Version: Baseline
Date: June 1997
URL: <http://caster.gsfc.nasa.gov/L7/> under "Baselined Documents" or <http://ltpwww.gsfc.nasa.gov/IAS/htmls/review.html>
Contents: All parameters needed to perform radiometric calibration and systematically correct geometric registration.

Comments: This file will be updated at least every three months and provided to all IGSs.

Reference Documents:

Title: Landsat 7 Data Format Control Book (DFCB) Volume I - Data Acquisition Plan (DAP)
Version: Revision A
Date: April 13, 1997
URL: http://ltpwww.gsfc.nasa.gov/IAS/htmls/l7_review.html
Content: Describes the Landsat 7 Project concept and plan for operating the Landsat 7 spacecraft and the activities, communications links, and ancillary data required to acquire the wideband data to satisfy mission requirements.
Comments: End-to-end data acquisition plan for the Landsat 7 system.

Title: Interface Control Document Between Landsat 7 and the Landsat 7 Ground Network (LGN)
Version: Draft
Date: April 1997
URL: <http://landsat7.gsfc.nasa.gov/index.html>
Content: This ICD defines interfaces among the Landsat 7 (L7) spacecraft, the Mission Operations and Data Systems Directorate (MO&DSD) at the Goddard Space Flight Center (GSFC) and the facilities comprising the Landsat Ground Network (LGN), which are the Wallops Ground System (WGS) and the Landsat Ground Station (LGS).
Comments: Specifically, this ICD defines the radio frequency communications and tracking interfaces between the L-7 spacecraft and the LGN, the data transfer interfaces between the LGN and the MO&DSD, and the data transfer interfaces between the LGS and the WGS.

Title: Interface Control Document Between EOSDIS Core System (ECS) and the Landsat 7 System
Version: Revision A
Date: May 1997
URL: <http://edhs1.gsfc.nasa.gov/waisdata/catalog/intfcats.html>
(Look for title in list of ECS documents.)
Content: Defines the functional and physical design of system interfaces between Earth Observing System Data and Information System (EOSDIS) Core System (ECS) and the Landsat 7 System.
Comments: Provides a description of the interface between the IGSs and the EDC-DAAC for the provision of Landsat 7 metadata.

Title: Landsat 7 Science Data Users Handbook
Version: Not yet released
Date: Not available
URL: Outline available in <http://lps-server.gsfc.nasa.gov/>
Content: To be determined
Comments: None

ACROBAT Reader

Many of the documents listed above must be read with the ACROBAT Reader. This software can be downloaded (free) from the following Web site.

<http://www.adobe.com/prodindex/acrobat/readstep.html>